

System and method for compensating for even order and odd order nonlinear distortion in a signal by introduction of a compensating signal that removes substantially all of the nonlinear distortion in one order or in two orders. Two or more diodes are arranged in at least one of an anti-series configuration and an anti-parallel configuration in which a circuit voltage is equal to a selected odd order and/or to a selected even order in current, plus higher order terms that are often negligible. The diodes may be replaced by other selected nonlinear devices.